

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AWP63032W000	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/GB2004/003304	International filing date (<i>day/month/year</i>) 02/08/2004	(Earliest) Priority Date (<i>day/month/year</i>) 04/08/2003	
Applicant ADCOCK TECHNOLOGY LIMITED			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention provides a tap (10) adapted for formation of female screw-threads in a plurality of metal parts. Each female screw-thread is capable of imparting translational motion to a threaded second member engaged therewith, the threaded second member having a matching male screw-thread and the translational motion occurring on relative rotation between the first metal part and the threaded second member. The tap (10) is fluteless and comprises a threaded portion (23) with a triangular form thread (11) with an angle of thread (γ) in the range 29° - 40° and radiussed crests (16). The present invention also relates to a method of using such a tap.

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International Application No

PCT/GB2004/003304

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23G7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23G F16B F16H B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 324 752 A (RICHARD LLOYD LIMITED) 4 November 1998 (1998-11-04) page 3, line 18 - page 5, line 4 figure	1,4-6,9, 13,16,17
A	----- US 5 405 227 A (HIS SYLVIE ET AL) 11 April 1995 (1995-04-11) column 1, line 67 - column 2, line 2 column 5, line 61 - line 64 figure 5	15
A	----- WO 02/094490 A (HAAKANSSON BJOERN ; SANDVIK AB (SE)) 28 November 2002 (2002-11-28) page 5, line 9 - line 10 figures 1-3c ----- -/--	1,7



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

24/11/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003304

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI Section PQ, Week 199436 Derwent Publications Ltd., London, GB; Class P52, AN 1994-291983 XP002304329 & RU 2 009 750 C1 (RIKMAN S F) 30 March 1994 (1994-03-30) abstract figure 2.1 left hand column of table on page 5</p>	1,6
A	<p>EP 1 134 051 A (TANOI MFG CO LTD) 19 September 2001 (2001-09-19) column 3, line 1 - line 24 figures</p>	1
A	<p>US 2001/014625 A1 (MAIER DIETMAR ET AL) 16 August 2001 (2001-08-16) paragraph '0040! figures</p>	1
A	<p>US 3 802 015 A (CHASE D ET AL) 9 April 1974 (1974-04-09) column 2, line 66 - column 3, line 47 figures 1-3</p>	1
A	<p>DEGARMO E PAUL; BLACK J TEMPLE; KOHSER RONALD A: "MATERIALS AND PROCESSES IN MANUFACTURING" 1984, MACMILLAN PUBLISHING COMPANY, NEW YORK, XP002304328 page 732, line 3 - page 733, line 12 page 740, line 36 - page 741, line 10 figures 27-11,27-21</p>	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003304

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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